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### NOTICE OF ALLOWANCE AND FEE(S) DUE

58882

7590

03/24/2008

PATENT DOCKET ADMINISTRATOR LOWENSTEIN SANDLER P.C. 65 LIVINGSTON AVENUE ROSELAND, NJ 07068

EXAMINER				
HARRINGTON, ALICIA M				
ART UNIT	PAPER NUMBER			
2072				

DATE MAILED: 03/24/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,471	03/25/2004	Thomas Adam Chmielewski JR.	SAR 14752	8339

TITLE OF INVENTION: APPARATUS TO DETECT AND MEASURE SACCADE AND PUPILARY CHANGES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/24/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450 (571)-273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 58882 7590 03/24/2008 Certificate of Mailing or Transmission PATENT DOCKET ADMINISTRATOR I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. LOWENSTEIN SANDLER P.C. 65 LIVINGSTON AVENUE ROSELAND, NJ 07068 (Depositor's name (Signature (Date APPLICATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. FILING DATE 10/809.471 03/25/2004 Thomas Adam Chmielewski JR. SAR 14752 8339 TITLE OF INVENTION: APPARATUS TO DETECT AND MEASURE SACCADE AND PUPILARY CHANGES APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1440 \$300 \$0 \$1740 06/24/2008 **EXAMINER** ART UNIT CLASS-SUBCLASS HARRINGTON, ALICIA M 2873 351-210000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: lssue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_\_ (enclose an extra copy of this fo Advance Order - # of Copies \_ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ■ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/809,471	03/25/2004	Thomas Adam Chmielewski JR.	SAR 14752	8339
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PATENT DOCKET ADMINISTRATOR			HARRINGTON, ALICIA M	
LOWENSTEIN SANDLER P.C.			ART UNIT	PAPER NUMBER
65 LIVINGSTON AVENUE			2873	
ROSELAND, NJ 07068			DATE MAII ED: 03/24/200	8

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 571 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 571 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

EMAINS) CLOSED in this a er appropriate communicat	CHMIELEWSKI ET AL.  Art Unit  2873  Correspondence address application. If not included tion will be mailed in due course. THIS to withdrawal from issue at the initial	; itive
M. Harrington  the cover sheet with the EMAINS) CLOSED in this er appropriate communicate. This application is subject	Art Unit  2873  e correspondence address application. If not included tion will be mailed in due course. THIS	<b>;</b> itive
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received. received in Application No. ts have been received in the communication to file a rep f this application.  Note the attached EXAMINI con(s) why the oath or decla bibmitted. atent Drawing Review ( PT andment / Comment or in the should be written on the dra der according to 37 CFR 1.13	nis national stage application from the only complying with the requirements.  ER'S AMENDMENT or NOTICE OF aration is deficient.  TO-948) attached  e Office action of awings in the front (not the back) of 21(d).  L must be submitted. Note the	
5. ☐ Notice of Informa 6. ☐ Interview Summa Paper No./Mail I 7. ☐ Examiner's Amer	al Patent Application ary (PTO-413), Date ndment/Comment	
n S L S I E	received.  received in Application No ats have been received in the communication to file a report this application.  Note the attached EXAMIN son(s) why the oath or declubriated.  Patent Drawing Review (PT and the drace according to 37 CFR 1.1 BIOLOGICAL MATERIA THE DEPOSIT OF BIOLOGICA THE BIOLOGICA THE DEPOSIT OF BIOLOGICA THE BIOLOGI	received in Application No Its have been received in this national stage application from the open received in this national stage application from the communication to file a reply complying with the requirements of this application.  Note the attached EXAMINER'S AMENDMENT or NOTICE OF son(s) why the oath or declaration is deficient.  Brough attached examiner of the Office action of the property of the

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### **DETAILED ACTION**

### Information Disclosure Statement

The Examiner has considered the information disclosure statement filed on 1/7/08.

### Allowable Subject Matter

Claims 3-7, 9-19 are allowed.

The following is an examiner's statement of reasons for allowance: Prior art fails to teach an eye tracking system comprising a horizontal line camera, vertical line cameral, a processor and a beam splitter configured to reflect a portion of an image of the eye onto one of the horizontal line camera and the vertical line camera and to pass a portion of the image of the eye onto the other one of the cameras as claimed in line 3; an optical element configured to optically focus an image of eye onto at least one of the horizontal and vertical line cameras before the image is captured by the at the least one of the camera as claimed in line 4; further including multiple controlled visible light sources coupled to the processor, wherein the processor controls the multiple light source individually to induce eye motion, and the processor further includes a statistical analyzer for comparing the tracked eye motions of a user to eye motion data derived from user to determine a measure of fitness as claimed in claim 5; a first beam splitter configured to reflect a portion of an image of the eye onto the horizontal line camera; a second beam splitter configured to reflect a portion of the image of the eye onto the vertical line camera; wherein the horizontal and vertical line cameras are configured to be outside of a field of view of the eye and the first and second beam splitters are configured to pass a portion of

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an image of a scene in the field of view of the eye to the eye as claimed in claim 6; at least one infrared illuminator configured to illuminate the eye as images are being captured by the horizontal and vertical line cameras, the at least one infrared illuminator and the horizontal and vertical line cameras being controlled by the processor to control a rate at which sampled images are obtained from the horizontal and vertical line imagers as claimed in claim 7; a visible light illuminator configured to illuminate the eye as images are being captured by the horizontal and vertical line cameras, the visible light illuminator being controlled by the processor to induce contraction of the iris of the eye; and a pupil size monitor, in the processor, for tracking changes in size of the pupil of the eye in response to illumination of the eye in response to the visible light illuminator as claimed in claim 9; Regarding claim 11, prior art fails to fairly suggest an eye tracking system for tracking eye motion of a user having first and second eyes comprising a horizontal line camera configured to capture a horizontal image of at least a portion of the first eye of the user and a vertical line camera configured to capture a vertical image of at least a portion of the second eye of the user where the processor processes signal from horizontal and vertical line images of the eye to track motion of the eye as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Harrington whose telephone number is 571 272 2330. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571 272 2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Alicia M Harrington/ Primary Examiner Art Unit 2873

**AMH**